



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2611 \$

#37

8-17-05  
NP

Applicants : John C. Harvey and  
James W. Cuddihy

RECEIVED

Serial No. : 08/113,329

MAR 20 2003

Docket No. : 5634.008

Technology Center 2600

Filed : August 30, 1993

For : SIGNAL PROCESSING APPARATUS AND METHODS

Group Art Unit : 2611

Examiner : Andrew I. Faile

Commissioner for Patents  
Washington, D.C. 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, applicants respectfully request consideration of the references listed on the attached citation form. This Supplemental Information Disclosure Statement replaces the Supplemental Information Disclosure Statement filed June 18, 2002, in the above captioned application. The June 2002 Supplemental IDS was filed under 37 C.F.R. 1.98(c)(1). However, it has come to my attention that some references designated by the June 2002 Supplemental IDS may have been known to individuals associated with the filing or prosecution of this application as

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

00000026 08113329 160.00 DP  
03/19/2003 RNABT1  
C:1806

defined in 37 C.F.R. § 1.56(c) more than three months prior to June 18, 2002.

Accordingly, I hereby withdraw any statement to the contrary made in the June 2002 Supplemental IDS and submit the instant Supplemental IDS under 37 C.F.R. § 1.98(c)(2). A check for \$180.00 accompanies this submission. Please charge any additional fees or credit any overpayment to Deposit Account Number 06-1075.

The attached citation form includes each and every reference designated in the citation form submitted with the June 2002 Supplemental IDS. The attached citation form also includes additional references that have been asserted against applicants' related issued patents and additional references that have been cited by the Office in applicants' copending applications.

Applicants respectfully request that the Examiner consider the references cited and that the Examiner indicate that the references have been considered in this application by returning a copy of the citation form with the Examiner's initials in the left column per M.P.E.P. § 609.

Pursuant to an agreement reached between the Office and applicants (see first Office Action issued in this application), applicants are to file copies of prior art only once. One copy of the additional references was submitted with the information disclosure statements filed February 7, 2003, in applicants' copending Application Number 08/487,526 (Atty. Dkt. No. 5634.355).

"Eine Neue Generation Mikroprozessorgesteuerter Datensender Und -Empfänger Für Alle Varianten Der Datenübertragung In Der V-Lücke Des Fernsehsignals", by A. Ebner and K. Schuster, Rundfunktechnische Mitteilungen, Vol. 26, No. 5, pp. 215-220, is a German language article related to data transmitters and receivers that can be adapted by

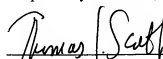
microcomputer control to given variants of data transmission. "Codifica Numerica Del Segnale Sonoro - Interfaccia Per Gli Apparatı Professionali" by M. Barbero and M. Occhiena, Elettronica e Telecomunicazioni, Vol. 34, No. 5, pp. 209- 216, October, 1985, is an Italian language article related to interface specifications for the interconnection of digital audio equipment within a broadcasting complex. Both of these articles include English summaries.

Japanese patent document 62-12285 is related to a teletext receiving device. Japanese patent document 61-236284 is related to a character signal receiver. Both of these Japanese documents were cited by the Office to applicants in copending Application Serial Number 08/479,374 (Atty. Dkt. No. 5634.148) without corresponding English translations. Applicants provided translations of these Japanese patent documents with the amendment filed March 6, 2003, in Application Serial Number 08/479,374.

As noted above, the references cited herein have been asserted against applicants' related issued patents or cited in applicants' copending applications. In accordance with 37 C.F.R. § 1.97, applicants do not admit that each and every reference cited herein is considered to be material to patentability or to be prior art.

Date: March 14, 2003  
**HUNTON & WILLIAMS**  
1900 K Street, N.W.  
Washington, DC 20006

Respectfully submitted,



Thomas J. Scott, Jr.  
Reg. No. 27,836  
Tel.: (202) 955-1685  
Fax: (202) 778-2201

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

CITATION FORM

Attorney Docket No.

Serial No.

05634.008

08/113,329

Applicant(s)

John C. Harvey and James W. Cuddihy

Filing Date

August 30, 1993

Group Art Unit

2611

UNITED STATES PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	Re 26,331	1/9/68	Brothman et al.		
	Re 33,189	3/27/90	Lee et al.		
	2,117,638	5/17/38	Walter		
	3,368,031	2/6/68	Eisele		
	3,387,082	6/4/68	Farber et al.		
	3,387,083	6/4/68	Farber et al.		
	3,390,234	6/25/68	Glidden		
	3,430,004	2/25/69	Shenk		
	3,475,547	10/28/69	Sarlund		
	3,478,342	11/11/69	Alldritt et al.		
	3,588,357	6/28/71	Sellari		
	3,624,516	11/30/71	Rando et al.		
	3,737,858	6/5/73	Turner et al.		
	3,813,482	5/28/74	Blonder		
	3,842,206	10/15/74	Barsellotti et al.		
	3,858,240	12/31/74	Golding et al.		
	3,898,378	8/5/75	Hinoshita et al.		
	3,899,639	8/12/75	Cleveley et al.		
	3,922,492	11/25/75	Lumsden		
	3,936,593	2/3/76	Aaronson et al.		
	3,958,088	5/18/76	Vieri		
	3,962,535	6/8/76	Haskell		
	3,971,888	7/27/76	Ching et al.		
	3,974,451	8/10/76	Maeder		
	3,988,550	10/26/76	Ts'ao		
	4,006,297	2/1/77	Koga		
	4,011,414	3/8/77	Warren		
	4,027,100	5/31/77	Ishiguro		
	4,031,543	6/21/77	Holz		
	4,045,811	8/30/77	Dingwall		
	4,045,814	8/30/77	Hartung		
	4,047,221	9/6/77	Yasuda et al.		
	4,056,684	11/1/77	Lindstrom		
	4,060,832	11/29/77	Devimeux et al.		
	4,061,577	12/6/77	Bell		
	4,068,265	1/10/78	Russell		
	4,118,669	10/3/78	Fung		
	4,141,034	2/20/79	Netravali et al.		
	4,148,070	4/3/79	Taylor		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,189,748	2/19/80	Reis		
	4,195,288	3/25/80	Morton		
	4,196,448	4/1/80	Whitehouse et al.		
	4,201,887	5/6/80	Burns		
	4,203,166	5/13/80	Ehram et al.		
	4,215,369	7/29/80	Yukihiko Iijima		
	4,217,609	8/12/80	Hatori et al.		
	4,218,697	8/19/80	Leventer		
	4,222,073	9/9/80	Hirashima		
	4,224,678	9/23/80	Lynch et al.		
	4,238,853	12/9/80	Ehram et al.		
	4,238,854	12/9/80	Ehram et al.		
	4,258,423	3/24/81	Lane et al.		
	4,271,506	6/2/81	Broc et al.		
	4,302,775	11/24/81	Widergren et al.		12/15/78
	4,306,250	12/15/81	Summers et al.		8/18/80
	4,318,126	3/2/82	Sassler		4/2/80
	4,318,127	3/2/82	Fukuda et al.		8/1/80
	4,318,128	3/2/82	Sauvanet		7/15/80
	4,333,107	6/1/82	McGuire et al.		5/3/79
	4,357,548	11/2/82	Preslar		5/30/80
	4,358,790	11/9/82	Summers		4/18/80
	4,369,462	1/18/83	Tornizawa et al.		8/15/80
	4,369,464	1/18/83	Temime		7/8/80
	4,375,650	3/1/83	Tiemann		4/29/81
	4,381,562	4/26/83	Acampora		5/1/80
	4,419,699	12/6/83	Christopher et al.		
	4,420,833	12/13/83	Noirel		9/22/80
	4,514,761	4/30/85	Merrell et al.		
	4,534,024	8/6/85	Maxemchuk et al.		
	4,600,942	7/15/86	Field et al.		
	4,658,292	4/14/87	Okamoto et al.		
	4,695,880	9/22/87	Johnson et al.		7/30/85
	4,713,837	12/15/87	Gordon		12/24/85
	4,736,420	4/5/88	Katznelson et al.		9/19/86
	4,777,354	10/11/88	Thomas		1/27/86
	4,780,910	10/25/88	Huddleston et al.		10/24/85
	4,908,859	3/13/90	Bennett et al.		
	4,930,160	5/29/90	Vogel		
	4,937,821	6/26/90	Boulton		
	5,099,348	3/24/92	Huddleston et al.		
	3,472,962	10/14/69	Sanford		
	4,034,990	7/12/77	Baer		
	4,247,106	1/27/81	Jeffers et al.		
	4,359,223	11/16/82	Baer et al.		11/01/79
	4,460,922	7/17/84	Ensinger et al.		
	4,533,943	8/6/85	Poirier		
	4,580,779	4/8/86	Kanamaru et al.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,695,879	9/22/87	Weinblatt		2/7/86
	4,716,588	12/29/87	Thompson et al		10/29/85
	4,751,578	6/14/88	Reiter et al		5/28/85

\* If Pertinent

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	GB 2 155 283	9/18/83	United Kingdom			
	JP 56116385	9/12/81	Japan		X	
	JP 62060378	3/17/87	Japan		X	
	61-236284	10/1986	Japan		X	
	62-12285	1/1987	Japan		X	
	DE 33 28 001	2/14/85	Germany		X	
	DE 33 35 082	4/11/85	Germany		X	

## OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	CHORAFAS, "Interactive Videotex: The Domesticated Computer," 1981, Petrocelli Books, New York
	HINTON, "Character rounding for the Wireless Word Telex Decoder," Wireless World, Nov. 1978, pp. 49-53, Vol. 84 No. 1515, IPC Business Press, United Kingdom
	KRUGER, "Speicherfernsehen, Das Digitale Kennungssystem ZPS," Proceedings 9 <sup>th</sup> International Congress Microelectronics, pp. 39-45
	"Fernsehempfang rund um die Uhr" Funk Technik, Mar. 1981, Vol 36
	"Method for the Transmission of Additional Information," German Patent Application submitted by Blaupunkt Werke GMBH, filed May 31, 1980
	"Eine Neue Generation Mikroprozessorgesteuerter Datensender Und -Empfänger Für Alle Varianten Der Datenübertragung In Der V-Lücke Des Fernsehsignals", A. Ebner and K. Schuster, Rundfunktechnische Mitteilungen, Vol. 26, No. 5, pp. 215-220
	"A Novel Television Add-On Data Communication System", January, 1974, Patrick T. King, Society of Motion Picture and Television Engineers Journal, Vol. 83
	"Actual Two-Way Systems," Ronald K. Jurgen, IEEE Spectrum, November 1971
	"Additional Information Within the Television Signal", September 1970, R. A. O'Connor, , Journal of the Society of Motion Picture and Television Engineers, Vol. 79, No. 9, p. 824
	"Applications of Information Networks," J.C.R. et al, Proceedings of the IEEE, Vol. 66, No. 11, pp. 1330-1346, November 1978
	"Automated Control Units for Advertising On Cable," G. Morgan, Image Technology, Vol. 68, No. 9, pgs. 457, 460, September 1986
	"Coded Information Within the Picture Area", February, 1974, Wilton R. Holm, , Society of Motion Picture and Television Engineers Journal, Vol. 83
	"Color Decode a PCM NTSC Television Signal", June, 1974, John P. Rossi, , Society of Motion Picture and Television Engineers Journal, Vol. 83
	"Comparison of Technology and Capital Costs of New Home Services," Metin B. Akgun, IEEE Transactions on Cable Television, Vol. CATV-5, No. 3, July 1980
	"Codifica Numerica Del Segnale Sonoro - Interfaccia Per Gli Apparatisti Professionali", October, 1985, M. Barbero and M. Occhiina, Elettronica e Telecomunicazioni, Vol. 34, No. 5, pp. 209-216
	"Encryption-based security systems", 5/29/87-6/1/87, Wechselberger, , NCTA Convention Records pp. 148-152

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
O I P F MAR 14 2003 TRADEMARK	"Experiences with Pilot Projects in North America, Japan, and Europe", 1977, Eds. W. Kaiser, H. Marko, and E. Witte, Two-Way Cable Television
	"Going for The Microcomputer Market with Commercial Telesoftware", 1982, M. Shain, Viewdata 82
	"Hard encrypted video & audio television system", 3/15/86-3/18/86, Jeffers, Glaab 8&. Griffin, , NCTA Convention Records pp. 232-234
	"Hybrid Addressability," Stubbs & Holobinko, National Cable Television Association Convention, pp. 255-265, 6/3/-6/6/1984
	"Individualized Still-Picture Communication on a Two-Way Broad-Band CATV System," Koji Maeda, IEEE Transactions on Communications, Vol. COM-23, No. 1, January 1975
	"Low Cost Interactive Home TV Terminal," Stetten & Mason, National Cable Television Association Convention, pp. 49-53, 7/6-7/9/1971
	"Measurement and Control of TV Transmitters," Shelley and Smart, Society of Motion Picture and Television Engineers Journal, Vol. 80, November 1971
	"Off Premises Addressability," Preschutti, National Cable Television Association Convention, pp. 48-57, 6/2-6/5/1985
	"On Distributed Communications," Paul Baran, The RAND Corporation, Volumes 1-10
	"Operational Implementation of a Broadcast Television Frame Synchronizer", March, 1975, Robert J. Butler , Society of Motion Picture and Television Engineers Journal, Vol. 84
	"Pilot Two-Way CATV Systems," Ernest K. Smith, IEEE Transactions on Communications, Vol. COM-23, No. 1, January 1975
	"Some Methods of Automatic Analysis of Television Test Signals", December 1971, R. H. Vivian, Society of Motion Picture and Television Engineers Journal, Vol. 80
	"SRS El Segundo Interim Test Report," Callais, National Cable Television Association Convention, pp. 384-407, 5/14-5/17/1972
	"Status Monitoring System," Hale, National Cable Television Association Convention, pp. 153-158, 1974
	"Television Applications and Transmission of Digital Data in the Vertical Blanking Interval", 1980, J. J. Lopinto, , ITC/USA/ '80, International Telemetering Conference, P. 650, pp. 345-349
	"Television Central," Society of Motion Picture and Television Engineers Journal, Vol. 85, October 1976
	"The Digital Video Effects System," Patten, Society of Motion Picture and Television Engineers Journal, Vol. 87, April 1978
	"The Magnavox Premium TV System," Forbes & Cooley, National Cable Television Association Convention, pp. 100-104, 6/17-6/20/1973
	"The Subscriber Response System," Durfee & Callais, National Cable Television Association Convention, pp. 28-48, 7/6-7/9/1971
	"TV Frame Synchronizer," Kano, et al., Society of Motion Picture and Television Engineers Journal, Vol. 84, March 1975
	"Two-Way Coax TV System Handles All Communication Needs," George F. Benton, Communications News, April 1975
	"Use of Low Frequency Bi-Directional Digital Transmission On Cable," Ellis, National Cable Television Association Convention, pp. 38-45, 4/17-4/20/1977
	"Videotex & Teletext," Technical Panel, National Cable Television Association Convention, pp. 160-184, 6/12-6/15/1983
	"Videotex Networks," J. Stynen and M. Keymolen, Revue HF, Vol. 1, No. 12, pgs. 413-424, 1981
	"Videotex Technologies," Technical Panel, National Cable Television Association Convention, pp. 99-123, 5/29-6/1/1981
	DAS DIGITALES FERNSEHKENNUNGSSYSTEM ZPS, H. Eckhard Krüger, ntz Bd. 35 (1982) Heltf 6 ("THE DIGITAL TELEVISION IDENTIFICATION SYSTEM ZPS," ntz, Vol. 35, No. 6, 1982, pgs. 368-376)
	DIGITALES KENNUNGSSYSTEM ZPS, Dr. H. E. Krüger, Forderungsvorhaben TK 0054/3 ("DIGITAL IDENTIFICATION SYSTEM ZPS," Dr. H. E. Krüger, Research Project TK 0054/3, Final Report, October 1, 1978 to October 31, 1979)
	Hi-OVIS Development Project, M. Kawahata, Presented in Two-Way Cable Television, Experiences with Pilot Projects in North America, Japan and Europe, Proceedings of a Symposium Held in Munich, April 27-29, 1977, pages 135-142

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Kinghorn, J.R., 11/00/85, "Using Extensions to World System Teletext," IEEE Transactions on Consumer Electronics, Vol. CE-31, No. 4, pp. 661-666
	The Videotex and Teletext Handbook, Hurly et al., Harper and Row Publishers, Inc., 1985
	Two-Way Applications for Cable Television Systems in the '70s, Ronald K. Jurgen, Editor, IEEE Spectrum, Nov. 1971
	VEREINBARUNG ZVEI/ARD/ZDF ZUR ZRD/ZDF/ZVEI - TICHTLINIE "VIDEO-PROGRAMM-SYSTEM (VPS)," ARD/ZDF, December 4, 1984 (MEMORANDUM OF UNDERSTANDING ZVEI/ARD/ZDF ON THE ARD/ZDF/ZVEI GUIDELINE FOR A "VIDEO PROGRAMMING SYSTEM (VPS)")
	VIDEOPROGRAMMSYSTEM DER 2. GENERATION, Von Gunther Stacker, net 40 (1986), Heft 7/8 ("SECOND-GENERATION VIDEO PROGRAMMING SYSTEMS," Von Gunther Stacker, net Vol. 7/8 No. 40 (1986), pgs. 311-315)
	VIDEOTEXT PROGRAMMIERT VIDEOHEIMERGATE (VPV), Gerhard Eitz, Karl-Ulrich Oberlies, Fundfunktechnische Mitteilungen, Jahrg. 30 (1986), H. 5 ("VCR PROGRAMMING VIA TELETEXT")
	VIDEOTEXT PROGRAMMIERT VIDEORECORDER, Von Gunther Hofmann, Andreas Neuman, Karl-Ulrich Oberlies and Eckhard Schadwinkel, Rundfunktech Mitteilunger, Jahrg. 26 (1982) H. 6 ("VIDEOTEXT PROGRAMS VIDEO RECORDER")
	VIDEOTEXT UND BILDSCHIRMTEXT MIT DEN LSI-SCHALTUNGSDEN SAA 5020, SAA 5030, SAA 5041 UND SAA 5051, Valvo, Technische Information fur die Industrie, April 1980 ("VIDEOTEXT AND INTERACTIVE VIDEOTEX WITH THE LSI-CIRCUITS SAA 5020, SAA 5030, SAA 5041 AND SAA 5051")
	Viewdata: A Public Information Utility, Second Edition, 1980, Dr. Adrian V. Stokes
	WUNSCHPROGRAMM AUS DER FERNSEHZEITSCHRIFT, Funkschau 12/1981, pgs. 6070 ("RECORDING PROGRAMS FROM THE PROGRAM GUIDE," Funkschau 12/1982, pgs. 60-70)

EXAMINER	/Son Huynh/ (04/14/2010)	DATE CONSIDERED	04/14/2010
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).			



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
**John C. Harvey and James W. Cuddihy** : Examiner:  
 Serial No. 08/113,329 : Group Unit: 2602  
 Filed 30-Aug-93 : Atty Dkt: 5634.008  
 For **SIGNAL PROCESSING APPARATUS AND METHODS**

**COPENDING RELATED U.S. PATENT APPLICATIONS**

Assistant Commissioner of Patents  
 Washington, D.C. 20231

Sir:

Listed below are copending U.S. patent applications related to this application.

<u>Application No.</u>	<u>Filing Date</u>	<u>Atty. Dkt.</u>
08/113,329	30-Aug-93	5634.008
08/397,371	2-March-95	5634.017
08/397,582	2-March-95	5634.010
08/397,636	2-March-95	5634.012
08/435,757	9-May-95	5634.036
08/435,758	9-May-95	5634.041
08/437,044	9-May-95	5634.047
08/437,045	9-May-95	5634.042
08/437,629	9-May-95	5634.044
08/437,635	9-May-95	5634.045
08/437,791	9-May-95	5634.040
08/437,819	9-May-95	5634.049
08/437,864	9-May-95	5634.038
08/437,887	9-May-95	5634.037
08/437,937	9-May-95	5634.048
08/438,011	9-May-95	5634.050
08/438,206	9-May-95	5634.039

08/438,216	9-May-95	5634.046
08/438,659	9-May-95	5634.043
08/439,668	15-May-95	5634.062
08/439,670	15-May-95	5634.081
08/440,657	15-May-95	5634.051
08/440,837	15-May-95	5634.059
08/441,027	16-May-95	5634.053
08/441,033	15-May-95	5634.060
08/441,575	15-May-95	5634.056
08/441,577	15-May-95	5634.080
08/441,701	15-May-95	5634.052
08/441,749	16-May-95	5634.082
08/441,821	16-May-95	5634.085
08/441,880	16-May-95	5634.075
08/441,942	16-May-95	5634.061
08/441,996	16-May-95	5634.086
08/442,165	16-May-95	5634.087
08/442,327	16-May-95	5634.083
08/442,335	16-May-95	5634.088
08/442,369	16-May-95	5634.055
08/442,383	16-May-95	5634.074
08/442,505	16-May-95	5634.084
08/442,507	16-May-95	5634.089
08/444,643	19-May-95	5634.111
08/444,756	19-May-95	5634.107
08/444,757	19-May-95	5634.103
08/444,758	19-May-95	5634.114
08/444,781	19-May-95	5634.110
08/444,786	19-May-95	5634.100
08/444,787	19-May-95	5634.118
08/444,788	19-May-95	5634.109
08/444,887	19-May-95	5634.115
08/445,045	19-May-95	5634.108
08/445,054	19-May-95	5634.101
08/445,290	19-May-95	5634.113
08/445,294	19-May-95	5634.119
08/445,296	19-May-95	5634.105
08/445,328	19-May-95	5634.112
08/446,123	19-May-95	5634.116
08/446,124	19-May-95	5634.117
08/446,429	22-May-95	5634.151
08/446,430	22-May-95	5634.152
08/446,431	22-May-95	5634.150
08/446,432	22-May-95	5634.149
08/446,494	22-May-95	5634.154

08/446,553	19-May-95	5634.104
08/446,579	19-May-95	5634.106
08/447,380	24-May-95	5634.125
08/447,414	23-May-95	5634.122
08/447,415	23-May-95	5634.129
08/447,416	23-May-95	5634.128
08/447,446	23-May-95	5634.135
08/447,447	23-May-95	5634.140
08/447,448	23-May-95	5634.132
08/447,449	23-May-95	5634.138
08/447,496	23-May-95	5634.121
08/447,502	23-May-95	5634.143
08/447,529	24-May-95	5634.144
08/447,611	23-May-95	5634.137
08/447,621	23-May-95	5634.156
08/447,679	23-May-95	5634.130
08/447,711	23-May-93	5634.153
08/447,712	23-May-95	5634.127
08/447,724	23-May-95	5634.131
08/447,726	23-May-95	5634.159
08/447,826	23-May-95	5634.126
08/447,908	23-May-95	5634.134
08/447,938	23-May-95	5634.133
08/447,974	23-May-95	5634.145
08/447,977	23-May-95	5634.141
08/448,099	23-May-95	5634.158
08/448,116	23-May-95	5634.157
08/448,141	23-May-95	5634.155
08/448,143	23-May-95	5634.120
08/448,175	23-May-95	5634.102
08/448,251	23-May-95	5634.142
08/448,309	23-May-95	5634.139
08/448,326	23-May-95	5634.123
08/448,643	24-May-95	5634.072
08/448,644	24-May-95	5634.163
08/448,662	24-May-95	5634.201
08/448,667	24-May-95	5634.179
08/448,794	24-May-95	5634.203
08/448,810	24-May-95	5634.177
08/448,833	24-May-95	5634.162
08/448,915	24-May-95	5634.069
08/448,916	24-May-95	5634.209
08/448,917	24-May-95	5634.165
08/448,976	24-May-95	5634.161
08/448,977	24-May-95	5634.071

08/448,978	24-May-95	5634.181
08/448,979	24-May-95	5634.207
08/449,097	24-May-95	5634.208
08/449,110	24-May-95	5634.204
08/449,248	24-May-95	5634.171
08/449,263	24-May-95	5634.172
08/449,281	24-May-95	5634.183
08/449,291	24-May-95	5634.068
08/449,302	24-May-95	5634.147
08/449,351	24-May-95	5634.170
08/449,369	24-May-95	5634.058
08/449,411	24-May-95	5634.180
08/449,413	24-May-95	5634.174
08/449,523	24-May-95	5634.182
08/449,530	24-May-95	5634.124
08/449,531	24-May-95	5634.176
08/449,532	24-May-95	5634.205
08/449,652	24-May-95	5634.146
08/449,697	24-May-95	5634.175
08/449,702	24-May-95	5634.202
08/449,717	24-May-95	5634.067
08/449,718	24-May-95	5634.164
08/449,798	24-May-95	5634.206
08/449,800	24-May-95	5634.184
08/449,829	24-May-95	5634.178
08/449,867	24-May-95	5634.169
08/449,901	23-May-95	5634.136
08/450,680	24-May-95	5634.200
08/451,203	26-May-95	5634.079
08/451,377	26-May-95	5634.070
08/451,496	26-May-95	5634.057
08/451,746	26-May-95	5634.078
08/452,395	26-May-95	5634.065
08/458,566	2-Jun-95	5634.230
08/458,699	2-Jun-95	5634.247
08/458,760	2-Jun-95	5634.217
08/459,216	2-Jun-95	5634.218
08/459,217	2-Jun-95	5634.231
08/459,218	2-Jun-95	5634.256
08/459,506	2-Jun-95	5634.224
08/459,507	2-Jun-95	5634.232
08/459,521	2-Jun-95	5634.233
08/459,522	2-Jun-95	5634.238
08/459,788	2-Jun-95	5634.243
08/460,043	2-Jun-95	5634.215

08/460,081	2-Jun-95	5634.240
08/460,085	2-Jun-95	5634.239
08/460,120	2-Jun-95	5634.214
08/460,187	2-Jun-95	5634.220
08/460,240	2-Jun-95	5634.241
08/460,256	2-Jun-95	5634.254
08/460,274	2-Jun-95	5634.236
08/460,387	2-Jun-95	5634.219
08/460,394	2-Jun-95	5634.222
08/460,401	2-Jun-95	5634.242
08/460,556	2-Jun-95	5634.248
08/460,557	2-Jun-95	5634.245
08/460,591	2-Jun-95	5634.216
08/460,592	2-Jun-95	5634.225
08/460,634	2-Jun-95	5634.246
08/460,642	2-Jun-95	5634.244
08/460,668	2-Jun-95	5634.211
08/460,677	2-Jun-95	5634.221
08/460,711	2-Jun-95	5634.212
08/460,713	2-Jun-95	5634.253
08/460,743	2-Jun-95	5634.229
08/460,765	2-Jun-95	5634.255
08/460,766	2-Jun-95	5634.249
08/460,770	2-Jun-95	5634.237
08/460,793	2-Jun-95	5634.213
08/460,817	2-Jun-95	5634.223
08/466,887	6-Jun-95	5634.281
08/466,888	6-Jun-95	5634.270
08/466,890	6-Jun-95	5634.298
08/466,894	6-Jun-95	5634.276
08/467,045	6-Jun-95	5634.285
08/467,904	6-Jun-95	5634.284
08/468,044	6-Jun-95	5634.282
08/468,323	6-Jun-95	5634.292
08/468,324	6-Jun-95	5634.259
08/468,641	6-Jun-95	5634.263
08/468,736	6-Jun-95	5634.277
08/468,994	6-Jun-95	5634.297
08/469,056	6-Jun-95	5634.264
08/469,059	6-Jun-95	5634.288
08/469,078	6-Jun-95	5634.279
08/469,103	6-Jun-95	5634.300
08/469,106	6-Jun-95	5634.266
08/469,107	6-Jun-95	5634.294
08/469,108	6-Jun-95	5634.269

08/469,109	6-Jun-95	5634.296
08/469,355	6-Jun-95	5634.260
08/469,496	6-Jun-95	5634.290
08/469,517	6-Jun-95	5634.287
08/469,612	6-Jun-95	5634.280
08/469,623	6-Jun-95	5634.273
08/469,624	6-Jun-95	5634.262
08/469,626	6-Jun-95	5634.272
08/470,051	6-Jun-95	5634.268
08/470,052	6-Jun-95	5634.302
08/470,053	6-Jun-95	5634.291
08/470,054	6-Jun-95	5634.265
08/470,236	6-Jun-95	5634.278
08/470,447	6-Jun-95	5634.275
08/470,448	6-Jun-95	5634.293
08/470,476	6-Jun-95	5634.301
08/470,570	6-Jun-95	5634.289
08/470,571	6-Jun-95	5634.261
08/471,024	6-Jun-95	5634.299
08/471,191	6-Jun-95	5634.267
08/471,238	6-Jun-95	5634.271
08/471,239	6-Jun-95	5634.283
08/471,240	6-Jun-95	5634.286
08/472,066	6-Jun-95	5634.295
08/472,399	7-Jun-95	5634.305
08/472,462	7-Jun-95	5634.315
08/472,980	7-Jun-95	5634.353
08/473,213	7-Jun-95	5634.320
08/473,224	7-Jun-95	5634.187
08/473,484	7-Jun-95	5634.258
08/473,927	7-Jun-95	5634.333
08/473,996	7-Jun-95	5634.073
08/473,997	7-Jun-95	5634.364
08/473,998	7-Jun-95	5634.328
08/473,999	7-Jun-95	5634.342
08/474,119	7-Jun-95	5634.330
08/474,139	7-Jun-95	5634.324
08/474,145	7-Jun-95	5634.303
08/474,146	7-Jun-95	5634.186
08/474,147	7-Jun-95	5634.226
08/474,496	7-Jun-95	5634.360
08/474,674	7-Jun-95	5634.319
08/474,963	7-Jun-95	5634.098
08/474,964	7-Jun-95	5634.064
08/475,341	7-Jun-95	5634.160

08/475,342	7-Jun-95	5634.234
08/477,547	7-Jun-95	5634.329
08/477,564	7-Jun-95	5634.340
08/477,570	7-Jun-95	5634.335
08/477,660	7-Jun-95	5634.090
08/477,711	7-Jun-95	5634.312
08/477,712	7-Jun-95	5634.173
08/477,805	7-Jun-95	5634.197
08/477,955	7-Jun-95	5634.188
08/478,044	7-Jun-95	5634.334
08/478,107	7-Jun-95	5634.309
08/478,544	7-Jun-95	5634.306
08/478,663	7-Jun-95	5634.099
08/478,767	7-Jun-95	5634.316
08/478,794	7-Jun-95	5634.347
08/478,858	7-Jun-95	5634.351
08/478,864	7-Jun-95	5634.167
08/478,908	7-Jun-95	5634.313
08/479,042	7-Jun-95	5634.352
08/479,215	7-Jun-95	5634.358
08/479,216	7-Jun-95	5634.341
08/479,217	7-Jun-95	5634.093
08/479,374	7-Jun-95	5634.148
08/479,375	7-Jun-95	5634.326
08/479,414	7-Jun-95	5634.359
08/479,523	7-Jun-95	5634.365
08/479,524	7-Jun-95	5634.054
08/479,667	7-Jun-95	5634.192
08/480,059	7-Jun-95	5634.063
08/480,060	7-Jun-95	5634.227
08/480,383	7-Jun-95	5634.349
08/480,392	7-Jun-95	5634.310
08/480,740	7-Jun-95	5634.343
08/481,074	7-Jun-95	5634.190
08/482,573	7-Jun-95	5634.096
08/482,574	7-Jun-95	5634.210
08/482,857	7-Jun-95	5634.311
08/483,054	7-Jun-95	5634.195
08/483,169	7-Jun-95	5634.338
08/483,174	7-Jun-95	5634.251
08/483,269	7-Jun-95	5634.307
08/483,980	7-Jun-95	5634.066
08/484,275	7-Jun-95	5634.323
08/484,276	7-Jun-95	5634.092
08/484,858	7-Jun-95	5634.362

08/484,865	7-Jun-95	5634.348
08/485,282	7-Jun-95	5634.361
08/485,283	7-Jun-95	5634.199
08/485,507	7-Jun-95	5634.304
08/485,772	7-Jun-95	5634.332
08/485,775	7-Jun-95	5634.077
08/486,258	7-Jun-95	5634.357
08/486,259	7-Jun-95	5634.257
08/486,265	7-Jun-95	5634.228
08/486,266	7-Jun-95	5634.337
08/486,297	7-Jun-95	5634.331
08/487,155	7-Jun-95	5634.308
08/487,397	7-Jun-95	5634.250
08/487,408	7-Jun-95	5634.356
08/487,410	7-Jun-95	5634.314
08/487,411	7-Jun-95	5634.318
08/487,428	7-Jun-95	5634.363
08/487,506	7-Jun-95	5634.350
08/487,516	7-Jun-95	5634.094
08/487,526	7-Jun-95	5634.355
08/487,536	7-Jun-95	5634.097
08/487,546	7-Jun-95	5634.325
08/487,556	7-Jun-95	5634.321
08/487,565	7-Jun-95	5634.327
08/487,649	7-Jun-95	5634.344
08/487,851	7-Jun-95	5634.252
08/487,893	7-Jun-95	5634.191
08/487,980	7-Jun-95	5634.076
08/487,981	7-Jun-95	5634.196
08/487,982	7-Jun-95	5634.095
08/487,984	7-Jun-95	5634.346
08/488,032	7-Jun-95	5634.189
08/488,058	7-Jun-95	5634.322
08/488,378	7 Jun 95	5634.339
08/488,383	7-Jun-95	5634.166
08/488,436	7-Jun-95	5634.336
08/488,438	7-Jun-95	5634.235
08/488,439	7-Jun-95	5634.185
08/488,619	7-Jun-95	5634.317
08/488,620	7-Jun-95	5634.354
08/498,002	7-Jun-95	5634.345
08/511,491	6-Jun-95	5634.274

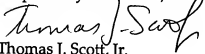


REMARKS

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a), Applicants herewith submit a reference to all related copending U.S. Patent Applications now pending before the U.S. Patent and Trademark Office.

Date: December 13, 1995  
**HOWREY & SIMON**  
1299 Pennsylvania Avenue, NW  
Washington, D.C. 20004  
Tel: (202) 383-6614

Respectfully submitted,

  
Thomas J. Scott, Jr.  
Reg. No. 27,836  
Attorney for Applicants

# **APPENDIX**

**(Examples of Claim Conflicts between Applications)**

Comparison of claim 12 from Serial No. 08/469,626 to claim 24 from Serial No. 08/487,980.

Claim 12

A method of controlling a remote intermediate mass medium programming transmitter station to communicate mass medium program material to one or more receiver stations, with said remote transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of mass medium programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of mass medium programming, a mass medium programming receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of mass medium programming in response to detected specific

Claim 24

A method of controlling a remote intermediate mass medium programming transmitter station to communicate mass medium program material to one or more receiver stations, with said remote transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of mass medium programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of mass medium programming, a mass medium programming receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of mass medium programming in response to detected specific

control signals, and to deliver at its broadcast or cablecast transmitter one or more units of mass medium program, said method of communicating comprising the steps of:

(1) receiving a unit of mass medium programming to be transmitted by the remote intermediate mass medium programming transmitter station and delivering said unit of mass medium programming to a transmitter, said unit of mass medium programming having an instruct signal which is effective at the one or more receiver stations to *control a sequence of events*;

(2) receiving one or more control signals which at the remote intermediate mass medium programming transmitter station operate to control the communication of said unit of mass medium programming; and

(3) transmitting said one or more control signals to said

control signals, and to deliver at its broadcast or cablecast transmitter one or more units of mass medium program, said method of communicating comprising the steps of:

(1) receiving a unit of mass medium programming to be transmitted by the remote intermediate mass medium programming transmitter station and delivering said unit of mass medium programming to a transmitter, said unit of mass medium programming having an instruct signal which is effective at the one or more receiver stations to *decode a portion of a multichannel broadcast or cablecast transmission*;

(2) receiving one or more control signals which at the remote intermediate mass medium programming transmitter station operate to control the communication of said unit of mass medium programming; and

(3) transmitting said one or more control signals to said

transmitter before a specific time.

transmitter before a specific time.

Comparison of claim 24 from Serial No. 08/488,620 to claim 23 from Serial No. 08/477,660.

Claim 24

A method of controlling a computer to communicate a television signal in a television network, said network *having* a television transmitter station and a television receiver station, said receiver station having a computer for communicating of television signals, said method comprising the steps of:

programming *said receiver station* to search for data embedded in a television signal;

inputting an identifier code that designates a unit of computer software;

storing a television signal on a file storage medium at a storage device associated with said computer;

receiving from a remote source an information transmission that contains a control signal;

Claim 23

A method of controlling a computer to communicate a television signal in a television network, said network *comprised of* a television transmitter station and a television receiver station, said receiver station having a computer for communicating of television signals, said method comprising the steps of:

programming *a processor* to search for data embedded in a television signal;

inputting an identifier code that designates a unit of computer software;

storing a television signal on a file storage medium at a storage device associated with said computer;

receiving from a remote source an information transmission that contains a control signal;

selecting a storage location associated with said computer in response to said control signal;

transferring said unit of computer software to said storage device;

storing said unit of software on said file storage medium;

*executing* a technique for communicating a file stored on a disk associated with a computer; and

*communicating* said television signal in accordance with said technique.

selecting a storage location associated with said computer in response to said control signal;

transferring said unit of computer software to said storage device  
*and*

storing said unit of software on said file storage medium,

*thereby to enable said computer to execute* a technique for communication a file stored on a disk associated with a computer and

*communicate* said television signal in accordance with said technique.

Comparison of claim 23 from Serial No. 08/488,032 to claim 58 from Serial No. 08/451,746.

Claim 23

A method of communicating subscriber station information from a subscriber station to one or more remote data collection stations, said method comprising the steps of:

(1) inputting a viewer's or participant's reaction at a subscriber station;

(2) receiving at said subscriber station information that designates an instruct signal to process or an output to deliver in consequence of subscriber input;

(3) determining the presence of said subscriber input at said subscriber station by processing said viewer's or participant's reaction;

(4) processing an instruct signal which is effective to *coordinate data processing with communication or presentation* of television programming at said

Claim 58

A method of communicating subscriber station information from a subscriber station to one or more remote data collection stations, said method comprising the steps of:

(1) inputting a viewer's or participant's reaction at a subscriber station;

(2) receiving at said subscriber station information that designates an instruct signal to process or an output to deliver in consequence of *said specific* subscriber input;

(3) determining the presence of said *specific* subscriber input at said subscriber station by processing said viewer's or participant's reaction;

(4) processing an instruct signal which is effective to *receive, generate, or present output to supplement* television



subscriber station in consequence of said step of determining; and

(5) transferring from said subscriber station to one or more remote data collection stations an indicia confirming delivery of said instruct signal from said step of processing or confirming delivery of said effect from said step of processing.

programming at said subscriber station in consequence of said step of determining; and

(5) transferring from said subscriber station to one or more remote data collection stations an indicia confirming delivery of said instruct signal from said step of processing or confirming delivery of said effect from said step of processing.

Comparison of claim 47 from Serial No. 08/469,106 to claim 46 from Serial No. 08/487,649.

Claim 47

A method of controlling at least one of a plurality of receiver stations each of which includes a broadcast or cablecast mass medium program receiver, at least one output device, a control signal detector, at least one processor capable of responding to an instruct signal, and with each said mass medium program receiver station adapted to detect and respond to one or more instruct signals, said method of communicating comprising the steps of:

(1) receiving at a broadcast or cablecast transmitter station an instruct signal which is effective at the receiver station to *implement a scheme for generating a control signal* and delivering the instruct signal to a transmitter;

(2) receiving at said transmitter station one or more

Claim 46

A method of controlling at least one of a plurality of receiver stations each of which includes a broadcast or cablecast mass medium program receiver, at least one output device, a control signal detector, at least one processor capable of responding to an instruct signal, and with each said mass medium program receiver station adapted to detect and respond to one or more instruct signals, said method of communicating comprising the steps of:

(1) receiving at a broadcast or cablecast transmitter station an instruct signal which is effective at the receiver station to *select a broadcast or cablecast signalling scheme and generate a signal in consequence of said selected broadcast or cablecast signalling scheme* and delivering the instruct signal to a transmitter;

(2) receiving at said

control signals which at the receiver station operate to communicate the instruct signal to a specific processor; and

(3) transferring said one or more control signals to the transmitter, said transmitter transmitting the instruct signal and the one or more control signals.

transmitter station one or more control signals which at the receiver station operate to communicate the instruct signal to a specific processor; and

(3) transferring said one or more control signals to the transmitter, said transmitter transmitting the instruct signal and the one or more control signals.

Comparison of claim 11 from Serial No. 08/477,805 to claim 25 from Serial No. 08/449,523.

Claim 11

A method of controlling a remote television transmitter station to communicate television program material to one or more receiver stations, with said remote television transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of television programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of television programming, a television receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of television programming in response to detected specific control signals, and to deliver at

Claim 25

A method of controlling a remote television transmitter station to communicate television program material to one or more receiver stations, with said remote television transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of television programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of television programming, a television receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of television programming in response to detected specific control signals, and to deliver at

its broadcast or cablecast transmitter one or more units of television programming, said method of communicating comprising the steps of:

(1) receiving a unit of television programming to be transmitted by the remote intermediate television transmitter station and delivering said unit of television programming to a transmitter;

(2) receiving one or more control signals which at the remote intermediate television transmitter station operate to control the communication of *a specific one or more of said plurality of units* of television programming; and

(3) transmitting said one or more control signals to said transmitter before a specific time.

its broadcast or cablecast transmitter one or more units of television programming, said method of communicating comprising the steps of:

(1) receiving a unit of television programming to be transmitted by the remote intermediate television transmitter station and delivering said unit of television programming to a transmitter, *said unit of television programming having an instruct signal which is effective at the one or more receiver stations to implement a television signalling scheme;*

(2) receiving one or more control signals which at the remote intermediate television transmitter station operate to control the communication of *said unit* of television programming; and

(3) transmitting said one or more control signals to said transmitter before a specific time.